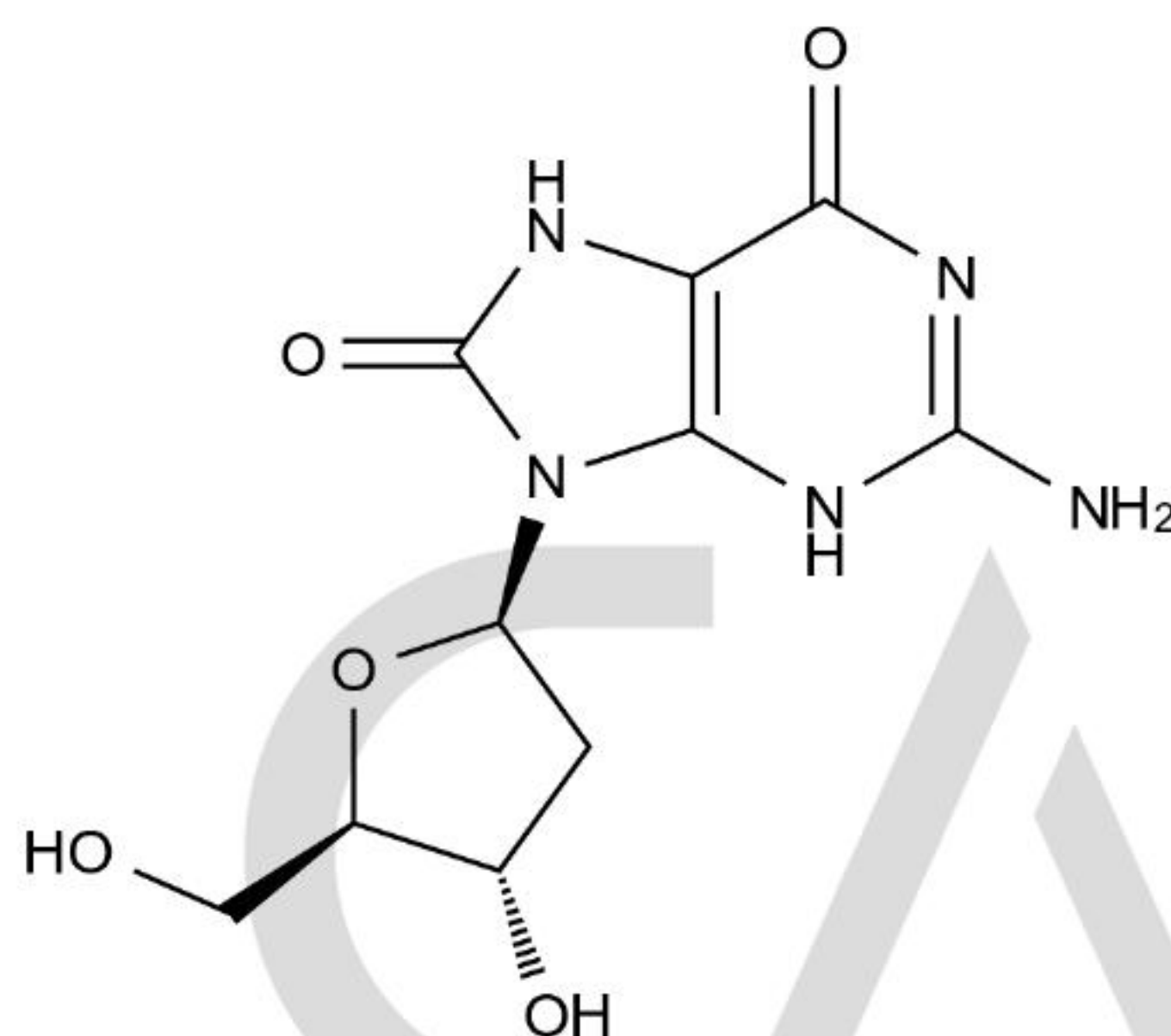


Certificate of Analysis

Reference Material & Standard

Product Name:	8-Hydroxy-2'-deoxyguanosine	Catalogue Number:	CCAD301972
Synonyms:	N/A	Lot Number:	0415-RH-0043
CAS Number:	88847-89-6	Expiry Date:	Apr 16, 2030
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	283.24	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.419%
Loss on Drying	TGA	0.0343%
Assay		98.4%
Uncertainty		±0.4%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 17, 2026

Date: Apr 17, 2026

Date: Apr 17, 2026

